Annex I to the RailNetEurope (RNE) Non-personal Data Policy

RNE Non-personal Data Inventory

(as approved by the RNE's General Assembly on 6 December 2022)

Introduction

This document is the first attempt in RNE's data ecosystem for classifying non-personal data in a data inventory. Please note that no specific publicly available and/or officially approved template has been used.

Personal data and entitlements related to non-personal data are out of the scope of this exercise. The IT applications/data assets are listed **alphabetically**, and no other business/process-related logic in the railways has been applied to the order.

The general assumption is that all RNE data have manually and/or automatically been co-generated by RNE members, their customers (e.g., railway undertakings) and RNE.

Each IT application/data asset is included in a separate table below and the following items have been recorded:

Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application[1]	Type of data[2]	Type of data (co)-generation[3]	Format of data[4]	Location[5]	Creation/go-live date

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[1] What is the core information collected in the system?
[2] What type of data is it, e.g., text, numbers, statistics, images, a database, etc.?
[3] Manually/human-generated or automatically/machine generated or imported or a mix of them.
[4] What format is the data in, e.g., XML, CSV, SQL DB, ODS, JSON, GEOJSON, XLS, XSLX, JPEG, etc.?
[5] What is the physical location of the server/cloud?

1.	TAF TSI Central Reference File Database (CRD) https://crd.rne.eu/CRD/Login.action (registration is required)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the system		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlement (e.g., confidential data)	Data free of legal entitlements					
	- Chapter 4.2.10.1. of TAF TSI Regulation No 1305/2014 (TAF TSI) - Data provision and access are subject to a set of different licence agreements designed for different actors (IMs, RUs, wagon keepers, etc.)	No	-List of countries (ISO 3166) -Locations codes (e.g., stations, customer sidings, loading places) -Company codes of all rail actors who exchange information	database	- Manually generated - Company codes are imported from UIC file based on a contractual arrangement between RNE and UIC		RNE cloud in Vienna	- 2012 with UIC - in RNE portfolio since 1 January 2015
			Other place/form where the same data is available: Based on Art. 3 of the TAF TSI Regulation the same database is publicly available on ERA website: https://teleref.era.europa.eu/. Due to historical reasons company codes can also be found on UIC website here:					

		https://uic.org/support-activities/it/rics					

2.	**Charging Information System (CIS)** **https://cis-online.rne.eu/cis/welcome** (registration is not required)
Data asset number	**Legal framework concerning creation and management**	**Brief description of the data available in the application**		**Type of data**	**Type of data (co)-generation**	**Format of data**	**Location**	**Creation/go-live date**
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - No internal RNE legal basis for data provision eighter	No	- railway infrastructure charges of more than 20 IMs in Europe - based on given parameters it estimates the price for the use of international train paths in EUR within minutes - In addition, providing charge estimates for shunting and station use	Database	- Manually generated by IMs and Allocation Bodies - All calculations are done automatically by the application		RNE cloud in Vienna	2010
			Other place/form where the same data are available: the same individual per IM/AB data regarding charges are available in the Network Statements of the IMs/ABs.					

3.	Customer Information Platform (CIP) https://cip.rne.eu/apex/f?p=212:65 (registration is not required)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Data provision is legally regulated by CIP User Agreements signed between RNE and respective RFC.	No (Note: the projects and the investment plans of the RFC are out of the scope of the inventory)	- routing - terminals - specific track properties - infrastructure investment projects - international contingency management lines and their re-routing options of the RFCs - geo coordinates CIP displays information on railway infrastructure in 26 European countries, covering the complete network of all 11 RFCs.	Database/inter active map	Manually included by the RFCs and extracted by RNE Geo Editor (e.g. topology data)	Geometry information of nodes, segments and terminals described with Oracle Spatial SDO_GEO MERTY type.	RNE cloud In Vienna	-2013 with RFC 1 - in RNE portfolio since 1 July 2015
			Other place/form where the same data is available: Same data in different format/display is available in the network statements of the IMs (e.g., as annexes to the					

Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
			network statements) as well as on their websites.					
4.			**European Capacity Management Tool (ECMT)**					
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Data provision's legal instrument will be identified soon (e.g., RNE template)	Capacity needs announcements (CNA)[6] which would be submitted by the applicants would be confidential data, visible only to their creators and respective IMs (i.e., related to CNAs requests)	Published capacity models[7] and capacity supply[8] might be given by IMs from their own national application.	Database	At this stage of development, it is manual by the IMs, in later stages it would be mix of both manual and automatic.	XML – SQL Database	RNE IT supplier server	Started in 2021, estimate go live date is in 2022 (with limited set of functionalities)
			Other place/form where the same data is available: same data would be available in IMs own applications.					

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[6] CNAs are element of the TTR project with no explicit legal basis in the current EU legislation.

[7] Same as above.

[8] Same as above.

5.	European Rail Facilities Portal (ERFP) https://railfacilitiesportal.eu (registration is not required)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- Art. 5(1)(a) of Regulation 2017/2177 on access to service facilities and rail-related services - Data provision will legally be regulated by the ERFP's website terms of use (to be fully redrafted in Q1 of 2022).	No	- Type of service facility (SF) - Addresses (postal and geo-coordinates) - Contact information of the operator - Owner type - Provided services - Technical characteristics of SF - Opening times - Access infrastructure - Loading parameter and conditions - Cargo handling - Legal and contractual information	Numbers, texts, geo-coordinates, URLs, documents	- All data is uploaded manually or created manually data record.	Excel sheets and being shown on the screen	RNE cloud in Vienna	- pilot in 2015 and official launch in June 2019 with the European Commission - in RNE portfolio since 1 June 2020
			Other place/form where the same data is available: internal IT systems of IMs and SFO, partly in IMs' network statement, partly in their own IT applications.					

6.	Geo Editor (formally RNE Big Data) https://geoeditor.rne.eu/frontend/login (registration is required)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Data provision is legally arranged in Geo Editor Membership Regulation approved by RNE General Assembly in December 2019. - Geo Editor is capable of handling detailed lines geometry in the form of a polylines for the provided segments. They are used by other RNE IT systems for a better visual representation and a more accurate distance calculation between locations	No	Geo Editor is an IT tool designed by RNE to simplify network topology data acquisition, sharing and manipulation. This tool comprises - database that contains all the relevant data including network topology data, user data and other data necessary for normal application functioning and is used to provide data to other RNE IT tools - Geo Editor WEB application that is used for manipulating network topology	Database	- Locations are replicated every day from TAF TSI CRD, initially provided by IMs and RUs - Segments are directly imported from CRD (IMs) and manually from RINF (IMs) - Sections are manually provided by IMs and RFCs		RNE cloud in Vienna	

7.		Language Tool related data						
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Contract with external companies providing translation of the verbal and written communication	- Translation as a service itself - Predefined messages - List of messages in different languages - Railway jargon vocabularies - List of word constants and variables used in communication - List of variables - Translation modules or systems in any RNE IT tool - Data containing logs from communication and dialogs itself		Database	Translated sentences, Logs from communication	Text and audio formats	- Language tool - Recording system - Internal databases, - RNE OneDrive - https://translate4rail.eu/	2021

8.	Network and Corridor Information (NCI) https://nci-online.rne.eu (registration is not required)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- Art. 27(1) of Directive 2012/34 - Data provision will be legally regulated by the NCI's website terms of use.	No	- All network statements (NS) of IMs and corridor information documents of RFC in one single place - Information in NS: • Infrastructure • Capacity allocation • Access conditions • Services and charges online. - Information in CID: • Network statements excerpts • Terminal description • Procedure for capacity, traffic, and train performance management	text	manual	MS-Word documents .DOCX (for upload) and .PDF (for download)	RNE cloud in Vienna	14.01.2022

9.	Path Coordination System (PCS)							
	https://pcs-online.rne.eu/pcs/#/login (registration is required)							
Data asset number	**Legal framework concerning creation and management**	**Brief description of the data available in the application**		**Type of data**	**Type of data (co)-generation**	**Format of data**	**Location**	**Creation/go-live date**
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Data provision is legally based on a template approved by the RNE General Assembly (i.e. PCS User agreement)	- Data within one dossier in production/official environment. - All agencies involved in one dossier can see the data (Applicants, IMs, RFCs). - Data visibility also depends on the phase of the dossier and role; by data = Name and contact of the person working on a dossier & data needed for dossier creation. - List of users added to every agency registered in the system.	All dossiers created in the test 1 and test 4 environments are available to all users who log in with the test accounts.	Text, numbers, statistics, all saved in a database.	Mix of both	XML, SQL DB, XLS, XSLX, PDF	RNE cloud in Vienna	- 2003 with SBB AG, Switzerland - in RNE portfolio since 1 June 2004

10.	Temporary Capacity Restrictions (TCR)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Data provision among RNE members is legally arranged in TCR Membership Regulation approved by RNE General Assembly in May 2018.	Temporary capacity restriction data are visible to the IM on which network the TCR is, and the neighbouring IMs with whom he needs to coordinate with.	After TCR publication, data is available to all parties registered in the tool.	Database	Manually created, imported via Excel/XML files or created by using the system-to-system interface	XML, Excel, TAF TSI interface, Oracle database	RNE cloud in Vienna	01.01.2021

11.	Train Information System (TIS)							
	https://tis-prod.rne.eu (login is required)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Data provision is legally based on the TIS Membership Regulation approved by RNE General Assembly in December 2013.	**Timetable information:** - Sender - Planned transport identifiers - Planned journey location - Timing at location - Responsible IM - Responsible RU - Operational Train Number **Actual information:** - Sender - Train Operational identification - Operational Train Number Identifier - Reference OTN - Location - Train Delay - Transfer Point		Database	Automatically, machine generate, manual input (IMT)	XML	RNE cloud in Vienna	- 2004 as Europtirails by consortium of six IMs on corridor Rotterdam-Milano - In RNE portfolio since 2007 - IMT introduced with TIS 2020

		Forecast information: - Sender - Train Operational identification - Operational Train Number Identifier - Train Location Report - Train Delay **Incident Management Tool (IMT) information:** - Data presented via TIS UI and derived data from them prepared by TIS or reporting system Location - Reference Train Number - Number of affected trains - Affected IMs, RUs and RFCs - Affected Train Types - Sender (of interruption) - Interruption Reason					
Traffic management and train performance data						
	Data prepared by RNE based on		Traffic management information (TMI):	Database/Excel file	Manual Input	Excel/Pdf	- RNE OneDrive	- TMI 2015 (yearly update

	surveys and derived activities		• Border Agreement (Level 1/Level 2) • Border Section Information • Operational Information • Exceptional Transport • Dangerous Good Priority rules in operation (PRO) • National Law • Internal IM regulation • Partially national law • (Other)				- RNE website: https://rne.eu/wp-content/uploads/RNE_OverviewOfthePriorityRulesInOperation.pdf	- PRO 2012 (yearly update)

12.	RNE Data Warehouse for Reporting Purposes https://reports.rne.eu and https://report-management.rne.eu (registration is required)							
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - Data provision is based on bilateral contract with subjects or based on existing RNE Membership Regulation	- Available to all registered users - Most of historical data from RNE TIS application, partial data from other RNE applications like PCS, CIP, GeoEditor, etc. - Computed data for train performance purposes like punctuality, delays, and dwell time - Computed data for data quality indications	No	Database including text and numbers	Automatically computed by machine based on automatic or manual input	All common formats (sql, xslx, pptx, csv, docx, pdf)	RNE cloud in Vienna	2007

13.		TTCom (Simple Communication Tool for Timetabling) https://ttcom-online.rne.eu (registration is required)						
Data asset number	Legal framework concerning creation and management	Brief description of the data available in the application		Type of data	Type of data (co)-generation	Format of data	Location	Creation/go-live date
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	- No specific legal basis - No RNE legal basis for the business data either. - Privacy policy acceptance on the login tool page.	Available to all registered users: contact info in the address book within the "Send message" wizard, contact info of the IM administrator in a stand-alone list.	-	Text and numbers	Manual input (GUI and import sheet)	XLS for import-export, but exchange of all common attachments is supported, too.	RNE cloud in Vienna	18.05.2021

14.	International Train Number Database (ITNDB)							
		https://itndb.rne.eu/itndb/#/auth (registration is required)						
Data asset number	**Legal framework concerning creation and management**	**Brief description of the data available in the application**		**Type of data**	**Type of data (co)-generation**	**Format of data**	**Location**	**Creation/go-live date**
		Data with legal entitlements (e.g., confidential data)	Data free of legal entitlements					
	UIC leaflet 419-2 (numbering of international freight trains) & TAF TSI regulation also handles the issue of identifiers for the object's "path" and "train". In addition, the TAF TSI working group "Train Transport Identifier" (TTID) has specified some of the terms.	The train numbering ranges defined in the UIC leaflet and registered users contact details	After registering the ranges for the IMs (or carry forwarding for the next TT period) to be used the data are available. Also, RUs can allocate and request train numbers for their path requests which are handled by the 5 admin IMs (ÖBB Infra, SNCF-Reseau, SBB-Infra, MAV and DB-Netz). The booking overviews email notifications sent to the specific IM admin.	Database		Import/export in XLSX format and data stored in the database in tables	RNE cloud in Vienna	February 2016